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**From:** Linden, melissa  
**Sent:** Sat 2/1/2014 5:56:32 PM  
**Subject:** FW: HOTSITE REPORT: Update - Freedom Industries, Charleston, WV  
Freedom Industries Chemical Spill Map Update 01 18 2014 .pdf  
Photolog RP contractor work activity 1 19 14 .pdf

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**From:** Burns, Francis  
**Sent:** Sunday, January 19, 2014 2:11 PM  
**To:** R3 HOTSITES  
**Subject:** HOTSITE REPORT: Update - Freedom Industries, Charleston, WV

Bill Arguto of Region's Water Division reports that the West Virginia American Water Company has lifted the alert for three towns (Buffalo, Frazier's Bottom and Pliny). Results from all 11 samples taken yesterday in these three areas indicated "No Detect" levels in parts per million.

The West Virginia American Water Company has been sampling at the plant at both the parts per million (ppm) and parts per billion (ppb) levels. West Virginia American Water will continue to test the system at the parts per billion level.

There may be precautionary boil water advisories in place for several smaller groups of customers throughout the service district after water storage tanks were depleted following excessive flushing activities or water line breaks.

ORSANCO predicted the plume that will arrive at Cannelton Lock and Dam (three miles upstream from Cannelton, Indiana) Sunday, Jan. 19, at 1:00 AM. Up river concentrations at Louisville KY peaked at 3.5 ppb.

OSCs Matlock and Ventura reported that the facility extended the boom approximately 20 feet upstream in the river so that it would contain the drainage from the additional "seep" that was located along the northeastern bank of the facility. Under WVDEP order, the facility's contractor hand-dug an extension to the existing trench to the end of the tank farm, at the northeastern end of the facility. Attached is a drawing of the work at the site.

The facility conducted exploratory excavation in an attempt to identify the source of the water that is collecting beneath the tank farm. A compromised corrugated drainage pipe was located just inside the containment area, in the vicinity of the MCHM tanks. In the same area, three additional smaller-sized pipes were discovered, which may be water/foam suppression lines used by the former owners of the facility. Just outside the containment area, water continues to collect at the base of the containment wall. The contractors are continually pumping water from

inside and outside of the containment wall, at a rate of approximately 5,000 gallons every 10 hours. WVDEP was provided water samples from the area inside the containment. The source of this water is currently unknown. Attached are pictures of the work at the containment wall.

The facility is attempting to consolidate the high-concentrated MCHM water and segregate it for treatment and disposal. The facility will provide EPA and WVDEP with an inventory of the volume of water at the Poca facility. In addition, the facility has hired an environmental consulting firm, CEC, to develop a remediation plan for the site, per the WVDEP order.

Additional security measures for both the Poca staging facility and the tank farm at Freedom Industries are scheduled for tomorrow. Wireless cameras will be used to monitor activity at both locations. The security should enable immediate response if additional discharge or compromise of the tanks on site occurs.

ATSDR today was on site to consult with EPA and WVDEP.